



National Aeronautics and
Space Administration

Principal Center for Regulatory Risk Analysis and Communication

REGULATORY ALERT

Chemicals Restricted under EU's REACH Regulation

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Date [Citation]: 31 March 2010 [[European Union Commission Regulation 276/2010](#)]

Regulatory Agency: European Union

Rulemaking Type: Commission Regulation

Title: COMMISSION REGULATION (EU) No 276/2010 of 31 March 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) as regards Annex XVII

Summary:

On 31 March 2010, the European Union (EU) issued [Commission Regulation 276/2010](#), which added several chemicals to Annex XVII of the EU's REACH regulation (Regulation 1907/2006). Annex XVII lists substances restricted under REACH and their specific requirements. The EU's Council of Environment Ministers adopted the REACH regulation on 18 December 2006 ([1907/2006](#)). REACH came into force 1 June 2007 and is intended to place greater responsibility on industry to manage risks that chemicals may pose to human health and the environment.

[Commission Regulation 276/2010](#) implements [Commission Decision 2009/425/EC](#), issued 28 May 2009, by adding the following restrictions, among others, to REACH's Annex XVII:

Chemical	Scope	Effective Date
Dibutyltin (DBT) compounds	Mixtures and articles that incorporate DBT compounds and where the concentration in the mixture or article is greater than 0.1% by weight of tin may not be used or placed on the market for the general public, with the exception of those listed below.	1 January 2012
	<p>The following mixtures and articles that incorporate DBT compounds and where the concentration in the mixture or article is greater than 0.1% by weight of tin may not be used or placed on the market for the general public:</p> <ul style="list-style-type: none">• One-component and two-component room temperature vulcanization (RTV) sealants (RTV-1 and RTV-2 sealants) and adhesives• Paints and coatings containing DBT compounds as catalysts when applied on articles• Soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC• Fabrics coated with PVC containing DBT compounds as stabilizers when intended for outdoor applications• Outdoor rainwater pipes, gutters, and fittings, as well as covering material for roofing and façades	1 January 2015
Diocetyl tin (DOT) compounds	<p>The following mixtures and articles that incorporate DOT compounds and where the concentration in the mixture or article is greater than 0.1% by weight of tin may not be placed on the market for the general public:</p> <ul style="list-style-type: none">• RTV-2 molding kits• Textile articles and certain other articles intended to come into contact with the skin• Wall and floor coverings	1 January 2012

Chemical	Scope	Effective Date
Tri-substituted organostannic compounds	Articles containing tri-substituted organostannic compounds, such as tributyltin compounds and triphenyltin compounds, with concentrations of greater than 0.1% by weight of tin may not be used or placed on the market.	1 July 2010
Dichloromethane (methylene chloride)	Paint strippers with concentrations of dichloromethane $\geq 0.1\%$ by weight may not be placed on the market for the first time for supply to the general public or to professionals. The regulation defines "professional" to mean "any natural or legal person, including workers and self-employed workers, undertaking paint stripping in the course of their professional activity outside a facility used for paint stripping activities."	6 December 2010
	Paint strippers with concentrations of dichloromethane $\geq 0.1\%$ by weight may not be placed on the market for supply to the general public or to professionals.	6 December 2011
	Paint strippers containing dichloromethane in a concentration above the limit must be labeled: "Restricted to industrial use and to professionals approved in certain EU Member States — verify where use is allowed."	6 December 2011
	Paint strippers with concentrations of dichloromethane $\geq 0.1\%$ by weight may not be used by professionals. The use of dichloromethane should be replaced by a chemical with no risk or lower risk to the health and safety of workers and the use of appropriate personal protective equipment. Paint strippers containing dichloromethane in concentrations equal to or greater than 0.1 % by weight may be used at industrial facilities that conduct paint stripping only if they meet specific safety requirements, as detailed in the regulation.	6 June 2012
Potential Impacts to NASA: European Union regulations, such as REACH, do not affect NASA directly but can affect the supply chain significantly. REACH imposes requirements that affect products produced in or imported into the EU. The stringency of those requirements can cause manufacturers who market materials in the EU to reformulate or terminate production of regulated materials. As REACH is implemented over time, it probably will become an increasingly important driver of materials obsolescence risk.		
Additional Information: http://ec.europa.eu/environment/chemicals/reach/reach_intro.htm http://www.nasa.gov/pdf/355564main_Guidance%20on%20REACH_January%202007.pdf		